INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

July 25, 2003

TO: Interested Parties / Applicant

RE: **R.R. DONNELLEY & SONS 107-17454-00052**

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

July 28, 2003

Mr. Gary Calleo
R.R. Donnelley & Sons Company
1009 Sloan Street
Crawfordsville, Indiana 47933-2741

Re: 107-17454-00052
Fourth Administrative Amendment to
Part 70 T 107-5963-00052

Dear Mr. Calleo:

R.R. Donnelley & Sons Company was issued a permit on June 21, 2002 for a book printing and binding operation . A letter requesting a correction of administrative errors was received June 26, 2003. Pursuant to the provisions of 326 IAC 2-7-11(a)(7) the permit is hereby administratively amended as follows:

Part A of the operating permit has two errors needing correction. The first error is page 6, A.2(4)(c). Information added is **boldface** print and information deleted will be identified as ~~strikeout~~.

(4) ~~Three (3)~~ **Two (2)** Paper Dust Collectors:

(a) Dust Collector #1(N) consists of a cyclone followed by a baghouse for particulate control and is exhausted through SD-6A(N).

(b) Dust Collector #2(N) consists of a baghouse for particulate control and is exhausted through SD-6B(N).

~~(c) Dust Collector #3(N) consists of a cyclone and followed by two (2) baghouses for particulate control and is exhausted through SD-6C(N).~~

The second error is located in Section A also and is located on page 6, A..2(8). This resulted in the renumbering of a lithographic printing press.

(8) One (1) KBA Compacta heatset web offset lithographic printing Press with two (2) units and two (2) webs identified as Press ~~241~~ **281** with a maximum line speed of 1100 feet per minute and a maximum printing width of 26 inches, with associated in-line equipment, exhausting to one (1) stack SP-5S(N).

Section D.2 also repeats the errors identified in the above sections. Page 32, Section D.2(4) is the first error corrected.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Paper Trim Cyclones and Dust Collectors

North:

(3) Four (4) Paper Trim Cyclones:
- (a) Paper Trim Cyclone #1(N) emissions exhausting through stack SBP-5H(N).
- (b) Paper Trim Cyclone #2(N) emissions exhausting through stack SBP-5I(N).
- (c) Paper Trim Cyclone #3(N) emissions exhausting through stack SBP-5J(N).
- (d) Paper Trim Cyclone #4(N) emissions exhausting through stack SBP-5K(N).

(4) ~~Three (3)~~ **Two (2)** Paper Dust Collectors:
- (a) Dust Collector #1(N) consists of a cyclone followed by a baghouse for particulate control and is exhausted through SD-6A(N).
- (b) Dust Collector #2(N) consists of a baghouse for particulate control and is exhausted through SD-6B(N).
- ~~(c) Dust Collector #3(N) consists of a cyclone and followed by two (2) baghouses for particulate control and is exhausted through SD-6C(N).~~

Page 32a Section D.2.1, reflects the second error corrected.

Particulate emission limitation for Dust Collectors #1(N), #2(N), ~~#3(N),~~ #1(S) and #2(S) shall be 0.551 pound per hour per Dust Collector which shall be achieved by the use of baghouse pollution control devices, in accordance with Section C.1-Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour 326 IAC 6-3-2(c).

Page 35**,** Section D.3, North: (8). Descriptive Information was corrected.

SECTION D.3 FACILITY OPERATION CONDITION

Facility Description [326 IAC 2-7-5(15)]: Printing Presses

North:

(8) One (1) KBA Compacta heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press ~~241~~ **281** with a maximum line speed of 1100 feet per minute and a maximum printing width of 26 inches, with associated in-line equipment, exhausting to one (1) stack SP-5S(N).

Page 37, Section D.3.1(a), 3rd and 4th paragraphs were changed new reflect new information.

The following presses shall be limited:

Press 240, Press ~~241~~ **281**, Press 245, Press 289, Press 238, Press 239, Press 260, Press 261, Press 273, Press 290, Press 291, Press 293, Press 294, Press 295, and Press 296.

The requirements from Registered Construction and Operation Status letter issued June 19, 1988 (Press 240), and Registered Construction and Operation Status letter issued October 23,1991 (Press ~~241~~ **281**), state that.....

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Gary Freeman, of my staff, at 317-233-5334 or 1-800-451-6027, and ask for extension 3-5334.

Sincerely,
Original signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments: Updated Pages
PD/gkf
cc: File - Montgomery County
Montgomery County Health Department
Air Compliance Section - Jim Thorpe
Compliance Data Section - Karen Ampil
Permit Review Section 1 - Gary Freeman
Air Programs - Chet Bohannon

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

R.R. Donnelley & Sons Company
1009 Sloan Street
Crawfordsville, Indiana 47933

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T107-5963-00052	
Issued by: Original Signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 21, 2002 Expiration Date: June 21, 2007

Second Administrative Amendment 107-17119-00052, issued February 4, 2003
First Significant Permit Modification 107-16731-00052, issued March 28, 2003
Third Administrative Amendment 107-17255-00052, issued April 8, 2003

Fourth Administrative Amendment: 107-17454-00052	Pages Affected: 6, 32, 32a, 35 and 37
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: **July 25, 2003**

(4) Two (2) Paper Dust Collectors:

(a) Dust Collector #1(N) consists of a cyclone followed by a baghouse for particulate control and is exhausted through SD-6A(N).

(b) Dust Collector #2(N) consists of a baghouse for particulate control and is exhausted through SD-6B(N).

(5) One (1) In-line Stainer 192 used for edge staining paper using low pressure-high volume spray coating and using dry filters for overspray control and exhausting through stack BS-4X(N).

(6) Two (2) heatset web offset lithographic printing presses, controlled by one (1) 7.6 MMBtu per hour natural gas fired thermal oxidizer ("North Oxidizer") exhausting to one (1) stack identified as SP-5Y(N), including:

(a) One (1) Mitsubishi heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 268 with a maximum line speed of 1600 feet per minute and a maximum printing width of 64 inches, with associated in-line equipment; and

(b) One (1) Toshiba heatset web offset lithographic printing Press with four (4) units and two (2) webs identified as Press 269 with a maximum line speed of 1600 feet per minute and a maximum printing width of 50 inches, with associated in-line equipment.

(7) One (1) Hantscho heatset web offset lithographic printing Press with two (2) units and two (2) webs identified as Press 240 with a maximum line speed of 1000 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to one (1) stack SP-5R(N).

(8) One (1) KBA Compacta heatset web offset lithographic printing Press with two (2) units and two (2) webs identified as Press 281 with a maximum line speed of 1100 feet per minute and a maximum printing width of 26 inches, with associated in-line equipment, exhausting to one (1) stack SP-5S(N).

(9) One (1) Hantscho heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 245 with a maximum line speed of 1000 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to one (1) stack SP-5Q(N).

(10) One (1) Timson heatset web offset lithographic printing press with one (1) unit and one (1) web identified as Press 242 with a maximum line speed of 1200 feet per minute and a maximum printing width of 47 inches, with associated in-line equipment, exhausting to one (1) stack SP-5Z(N).

(11) One (1) Timson heatset web offset lithographic printing press with one (1) unit and one (1) web identified as Press 243 with a maximum line speed of 1200 feet per minute and a maximum printing width of 47 inches, with associated in-line equipment, exhausting to one (1) stack SP-5AA(N).

(12) One (1) Harris heatset web offset lithographic printing press with two (2) units and two (2)

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Paper Trim Cyclones and Dust Collectors

North:

(3) Four (4) Paper Trim Cyclones:
- (a) Paper Trim Cyclone #1(N) emissions exhausting through stack SBP-5H(N).
- (b) Paper Trim Cyclone #2(N) emissions exhausting through stack SBP-5I(N).
- (c) Paper Trim Cyclone #3(N) emissions exhausting through stack SBP-5J(N).
- (d) Paper Trim Cyclone #4(N) emissions exhausting through stack SBP-5K(N).

(4) Two (2) Paper Dust Collectors:
- (a) Dust Collector #1(N) consists of a cyclone followed by a baghouse for particulate control and is exhausted through SD-6A(N).
- (b) Dust Collector #2(N) consists of a baghouse for particulate control and is exhausted through SD-6B(N).

South:

(2) Four (4) Paper Trim Cyclones:
- (a) Paper Trim Cyclone #1(S) emissions exhausting through stack SBP-5E(S).
- (b) Paper Trim Cyclone #2(S) emissions exhausting through stack SBP-5E(S).
- (c) Paper Trim Cyclone #3(S) emissions exhausting through stack SBP-5E(S).
- (d) Paper Trim Cyclone #4(S) emissions exhausting through stack SBP-5E(S).

(3) Two (2) Paper Dust Collectors:
- (a) Dust Collector #1(S) consists of a two (2) cyclones each followed by a baghouse(2 total) for particulate control and are exhausted through SD-6A(S) and new exhaust point SD6C(S).
- (b) Dust Collector #2(S) consists of a baghouse for particulate control and is exhausted through SD-6B(S).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Matter (PM) [326 IAC 6-3-2]

Particulate emission limitations for Paper Trim Cyclones #1(N), #2(N), #3(N), #4(N), #1(S), #2(S) #3(S) and #4(S) shall be 10.4 pounds per hour per cyclone, established as E in the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour.

The Permittee shall demonstrate compliance with this limit based on an emission factor of one pound of dust emitted per ton of paper handled,

Particulate emission limitation for Dust Collectors #1(N), #2(N), #1(S) and #2(S) shall be 0.551 pound per hour per Dust Collector which shall be achieved by the use of baghouse pollution control devices, in accordance with Section C.1-Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour 326 IAC 6-3-2(c).

SECTION D.3 FACILITY OPERATION CONDITION

Facility Description [326 IAC 2-7-5(15)]: Printing Presses

North:
(5) One (1) In-line Stainer 192 used for edge staining paper using low pressure-high volume spray coating and using dry filters for overspray control and exhausting through stack BS-4X(N).
(6) Two (2) heatset web offset lithographic printing presses, controlled by one (1) 7.6 MMBtu per hour natural gas fired thermal oxidizer ("North Oxidizer") exhausting to one (1) stack identified as SP-5Y(N), including:

(a) One (1) Mitsubishi heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 268 with a maximum line speed of 1600 feet per minute and a maximum printing width of 64 inches, with associated in-line equipment; and

(b) One (1) Toshiba heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 269 with a maximum line speed of 1600 feet per minute and a maximum printing width of 50 inches, with associated In-line equipment.

(7) One (1) Hantscho heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 240 with a maximum line speed of 1000 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to one (1) stack SP-5R(N).

(8) One (1) KBA Compacta heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 281 with a maximum line speed of 1100 feet per minute and a maximum printing width of 26 inches, with associated in-line equipment, exhausting to one (1) stack SP-5S(N).

(9) One (1) Hantscho heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 245 with a maximum line speed of 1000 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to one (1) stack SP-5Q(N).

(10) One (1) Timson heatset web offset lithographic printing press with one (1) unit and one (1) web identified as Press 242 with a maximum line speed of 1200 feet per minute and a maximum printing width of 47 inches, with associated in-line equipment, exhausting to one (1) stack SP-5Z(N).

(11) One (1) Timson heatset web offset lithographic printing press with one (1) unit and one (1) web identified as Press 243 with a maximum line speed of 1200 feet per minute and a maximum printing width of 47 inches, with associated in-line equipment, exhausting to one (1) stack SP-5AA(N).

(12) One (1) Harris heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 285 with a maximum line speed of 825 feet per minute and a maximum printing width of 26 inches, with associated in-line equipment, exhausting to one (1) stack SP-5K(N).

(13) One (1) Harris heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 286 with a maximum line speed of 825 feet per minute and a maximum printing width of 31 inches, with associated in-line equipment, exhausting to one (1) stack SP-5L(N).

(14) One (1) Harris heatset web offset lithographic printing press with four (4)units and two (2) webs identified as Press 287 with a maximum line speed of 825 feet per minute and a maximum printing width of 31 inches, with associated in-line equipment, exhausting to one (1) stack SP-5M(N).

(15) One (1) Harris heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 288 with a maximum line speed of 825 feet per minute and a maximum printing width of 31 inches, with associated in-line equipment, exhausting to one (1) stack SP-5N(N).

(16) One (1) Harris heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 289 with a maximum line speed of 825 feet per minute and a maximum printing width of 31 inches, with associated in-line equipment, exhausting to one (1) stack SP-5O(N).

coater, exhausting to one (1) stack SP-5V(N) used as cooling air for UV lamps.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Facility Description [326 IAC 2-7-5(15)]:

(14) One (1) Hantscho heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 293 with a maximum line speed of 1000 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to one (1) stack SP-5K(S).
(15) One (1) Hantscho heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 294 with a maximum line speed of 1076 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to one (1) stack SP-5M(S).
(16) One (1) Hantscho heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 295 with a maximum line speed of 1000 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to one (1) stack SP-5P(S). (17) One (1) Harris heatset web offset lithographic printing press with two (2) units and two (2) webs identified as Press 296 with a maximum line speed of 860 feet per minute and a maximum printing width of 31 inches, with associated in-line equipment, exhausting to one (1) stack SP-5Q(S).
(18) One (1) Heidelberg sheetfed offset lithographic press identified as Press 258 with a maximum line speed of 505 feet per minute and a maximum printing width of 40.5 inches including six (6) units and coater, exhausting to one (1) stack SP-5R(S) used as cooling air for electric heaters.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

(a) The VOC content delivered to the applicator of each press shall be limited such that VOC emitted is less than twenty-five (25) tons per twelve (12) consecutive month period. Therefore, the best available control technology (BACT) requirement in 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) does not apply. VOC emitted will be based on the following equation:

VOC emissions (tpy)= (ink usage X volatile content X 80% flash off)+ (fountain solution usage X volatile content X 100% flash off) + (cleaner usage X volatile content X 50% flash off)

The following presses shall be limited:

Press 240, Press 281, Press 245, Press 289, Press 238, Press 239, Press 260, Press 261, Press 273, Press 290, Press 291, Press 293, Press 294, Press 295, and Press 296,

The requirements from Registered Construction and Operation Status letter issued June 19, 1988 (Press 240), and Registered Construction and Operation Status letter issued October 23,1991 (Press 281), state that “Any change or modification which may increase the volatile organic compound potential emissions to 25 tons per year or more from the equipment covered in this registration must be approved by OAQ before such change may occur. “ The previous operating permits did not anticipate that the potential emissions would be greater than 25 tons per year and therefore did not address the requirements of 326 IAC 8-1-6. The source limited the running time in order to keep VOC emissions below 25 tons per year. Descriptions in Title V operating permits are for descriptive information and do not constitute enforceable conditions.

The requirements from Registered Construction and Operation Status letter issued on November 8, 1989 and Registered Construction and Operation Status letter issued on February 2, 1987 (Press 260 and Press 261) to limit VOC emissions by limiting running